

GAS TURBINE COMBUSTOR

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ABSTRACT OF THE DISCLOSURE

10 A gas turbine combustor in which a part or all of  
the wall of the combustor disposed within an intake  
chamber is formed as an acoustic energy absorbing member  
that can absorb the acoustic energy of a combustion  
variation generated within the combustor. The acoustic  
energy absorbing member is constructed of a thin  
15 corrugated plate in a circumferential direction, a high-  
temperature-proof perforated material, or a back plate  
disposed at the outside of a perforated plate in a radial  
direction with a distance from the perforated plate. It  
is also possible to provide a covering member at the  
outside of the acoustic energy absorbing member in a  
20 radial direction, for covering the acoustic energy  
absorbing member with a distance from the acoustic energy  
absorbing member. It is preferable that the acoustic  
energy-absorbing member and/or the covering member are  
reinforced with a frame that extends in a circumferential  
25 direction and/or a longitudinal direction.